ABSTRACT

The present invention is an ordnance device capable of launching discrete failure prone fragments in a coherent, controllable fashion. The described device is comprised of an explosive charge, a buffer element, a plurality of preformed failure prone fragments, and a wrap element in the described order. Buffer element separates failure prone fragments from the explosive charge so as to protect the fragments from damage by explosive detonation products and to reduce an incident pressure wave communicated into the fragments by the detonation. Wrap element further reduces the pressure within fragments by imparting a compressive pulse into the fragments thereby offsetting the negative phase of the incident pressure wave.